PATENT NO.

: 6,979,539 B2

Page 1 of 5

APPLICATION NO.: 09/897844 DATED

December 27, 2005 : AND AND ADDRESS :

INVENTOR(S)

: George Norbert Cox, III et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Office initiated Certificate of Correction Memo

The following claims are corrected as follows (formatted by strikethrough of deleted text and underlining added text)

In column 73 lines 29-42 should read as follows:

1. A method of inhibiting expression of an endogenous cellular pine gene in a cell, the method comprising the step of:

administering to the cell a nucleic acid molecule comprising a polynucleotide sequence which encodes a first engineered zinc finger protein, wherein

- (i) said polynucleotide sequence is operably linked to a promoter,
- (ii) the nucleic acid molecule expresses the zinc finger protein is less in the cell;
- (iii) the zinc finger protein contacts a first target site in the endogenous cellular gene; and
- (iv) the K.sub.d of the zinc finger protein is less than about 25 nM: thereby inhibiting expression of the endogenous cellular gene.

In column 73 lines 43-49 should read as follows:

2. The method of claim 1 wherein the step of administering further comprises administering a second zinc finger protein-encoding nucleic acid operably linked to a promoter that expresses a second zinc finger protein in the cell, and wherein the stop step of contacting father further comprises contacting a second target site in the endogenous cellular gene with the second zinc finger protein.

PATENT NO.

: 6,979,539 B2

Page 2 of 5

APPLICATION NO.: 09/897844

BOOLVANIUM:

December 27, 2005

INVENTOR(S)

DATED

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: George Norbert Cox, III et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 73 lines 50-51 should read as follows:

3. The method claim 2, wherein the flat wad first and second target sites are adjacent. Column 73 lines 52-54 should read as follows:

4. The method of of claim 3, wherein the first and second zinc finger proteins are covalently linked, miming forming a fusion protein.

Column 74 lines 42-45 should read as follows:

16. The method of claim 1, wherein the step of administering the nucleic acid molecule to the cell comprises administering the nucleic acid molecule in a lipid:nucleic acid complex or as <u>naked</u> nucleic acid.

Column 74 lines 49-50 should read as follows:

18. The method of claim † 17, wherein the expression vector is a viral expression vector.

Column 74 lines 51-53 should read as follows:

19. The method of claim 18, wherein the expression vector is a retroviral expression vector, an aderoviral adenoviral expression vector, or an AAV expression vector.

Column 74 lines 54-56 should read as follows:

20. The method of claim 18 wherein the promoter to which the zinc finger-encoding nucleic acid is operably linked is an inductable inducible promoter.

PATENT NO.

: 6,979,539 B2

Page 3 of 5

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RODE/LEWILLE:

December 27, 2005

INVENTOR(S)

: George Norbert Cox, III et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 75 lines 13-29 should read as follows:

- 29. A method of inhibiting expression of an endogenous cellular pine gene in a cell, the method comprising the step of: administering to the cell a nucleic acid molecule comprising a polynucleotide sequence which encodes a first engineered zinc finger protein, wherein
- (i) said polynucleotide sequence is operably linked to a promoter;
- (ii) the nucleic acid molecule expresses the zinc finger protein in the cell;
- (iii) the fusion zinc finger protein comprises six fingers and a regulatory domain;
- (iv) the fusion zinc finger protein contacts a target site in the endogenous cellular gene and;
- (v) the  $K_d$  of the zinc finger protein is less than about 25 nM; thereby inhibiting expression of the endogenous cellular gene.

Column 75 lines 45-51 should read as follows:

31. The method of claim 30, wherein the step of administering father further comprises administering a second zinc finger protein-encoding nucleic add operably linked to a promoter that expresses a second zinc finger protein in the cell and wherein the step of contacting further comprises contacting a second target site ix in the endogenous cellular gene with the second zinc finger protein.

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Page 4 of 5

APPLICATION NO.: 09/897844

: BOULENANDEDIOLE : George Norbert Cox, III et al.

27,2005

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 76 lines 18-21 should read as follows:

45. The method of claim 30, wherein the step of administering the nucleic acid molecule to the cell comprises administering the nucleic acid molecule in a lipid:nucleic acid complex or as marked nucleic acid.

Column 76 lines 22-24 should read as follows:

46. The method of claim 30, wherein the nucleic acid molecule is an expression vector comprising a zinc finger protein encoding nucleic acid operably linked toe a promoter.

Column 76 lines 30-32 should read as follows:

49. The method of claim 47, wherein the promoter to which the zinc finger protein encoding by a nucleic acid is operably linked to an inducible promoter.

Column 76 lines 33-35 should read as follows:

50. The method of claim 47, wherein the promoter to which the zinc finger protein encoding by a nucleic acid is operably linked is a weak promoter.

PATENT NO.

: 6,979,539 B2

Page 5 of 5

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December 27, 2005 BOOMANDOOD:

**INVENTOR(S)** 

: George Norbert Cox, III et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 76 lines 44-47 should read as follows:

54. The method of claim 31 30, wherein the target site is adjacent to an RNA polymerase pause site, wherein the RNA polymerase pause site is downstream of a transcription initiation site of the endogenous cellular gene.

This certificate supersedes certificate of correction issued April 22, 2008,

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